


```

QY 421 SQVYCFNADLKSPPDSDDGKMTMPDTTGEVKYTHIAGRLFEYTVKPRDTDDTFK 480
Db 421 SQVYCFNADLKSPPDSDDGKMTMPDTTGEVKYTHIAGRLFEYTVKPRDTDDTFK 480
QY 481 HIKVIEKGYREKGOALIEYSGLTETQLRAATOLAIYETDSAEIDKRLKDYHGFGDND 540
Db 481 HIKVIEKGYREKGOALIEYSGLTETQLRAATOLAIYETDSAEIDKRLKDYHGFGDND 540
QY 541 STLAVAKLIVEAQSNNPOLDLDFEIPNNKKYSLIGTQMHPDLDVDIRMEKKEVI 600
Db 541 STLAVAKLIVEAQSNNPOLDLDFEIPNNKKYSLIGTQMHPDLDVDIRMEKKEVI 600
QY 601 PVTHNLTRKVTGTGLAGRTKDFHEIIELNKKOELLSTQYTKDNTLFEKDKRATINLK 660
Db 601 PVTHNLTRKVTGTGLAGRTKDFHEIIELNKKOELLSTQYTKDNTLFEKDKRATINLK 660
QY 661 HGESLTGLLEGYSYLVKEFTDSEGRKVKVNSQEVANAATVSKTGITSDETLAFENKKEPV 720
Db 661 HGESLTGLLEGYSYLVKEFTDSEGRKVKVNSQEVANAATVSKTGITSDETLAFENKKEPV 720
QY 721 VPTGYDOKINGYIALIYIAGISLGIWGIHTIRIKHD 757
Db 721 VPTGYDOKINGYIALIYIAGISLGIWGIHTIRIKHD 757

RESULT 2
US-09-494-297-4
; Sequence 4, Application US/09494297
; GENERAL INFORMATION:
; APPLICANT: POBBIELSKI, ANDREAS
; TITLE OF INVENTION: COLLAGEN-BINDING PROTEINS FROM STREPTOCOCCUS PYOGENES
; FILE REFERENCE: P06628U0/BAS
; CURRENT APPLICATION NUMBER: US/09/494,297
; CURRENT FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 742
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes
; US-09-494-297-4

```

[illegible]

Db	358	QVENPNKEVAPRYEAVYENBDEMEVEVLSGETPYGKFYFATNNKDKSQVVYCFNADLHSP	417
Qy	436	DSEGGCTMPDFTT-GEVYTHAGDLEKRYVKNPDTPDFFLKHIIKVIIEKGYREK	494
Db	418	DSYSGELINDPDTSTMEVKVTHAGSDLEKRYALRPDTPDEDFLKHIIKVIIEKGYRKK	477
Qy	495	QAIYESGLTEFLQAAQOLAIYPTDSAEIDKDL---NDYGFQGMNSTLAVAKILV	550
Db	478	DS--YNGLTETQFPAAQOLAIYTTDSADLEKLTNYNGKGYYEFESMDKTLAVIKELI	535
Qy	551	EYAADSNPQDLDPEFLPNNNKYOSLIGTQWPEDELVDIIRMEDK-EVYPTNHLTLR	609
Db	536	TYAONGSPQLTINLDFEYPPNNKSQSLIGTECHDDLDVYDIRMEDKQEVYPTNHLTVK	595
Qy	610	KTVYGLAGDRDKDFHEFETELKNNKOEILLQTVTKDTNLEPKDQKATINLKHBSLTLQ	669
Db	596	KTVVDELGDKTKGFQFELETKDKDTGCPIVMTLKTNNODLVAKKDQKYSFNLKHGDTIRIEG	655
Qy	670	LPEGYSLVUKTDSBEGYKVKVANSQSEVANAIVYSKGLTISDETLAFENKKEVYPTQDQKI	729
Db	656	LPTGYSTYLKAEKAKDYIVYDNKRVSQEASVGKDITIEDKRVYFENKRDVLVPTGLTDDG	715
Qy	730	NGYALAIYAGISLGIW	746
Db	716	AIYMLILIVPLGLIYW	732

```

RESULT 3
US-09-692-064-2
; Sequence 2, Application US/09692064
; GENERAL INFORMATION:
; APPLICANT: Minion, F. Chris
; APPLICANT: Menon, Sreekumar A.
; APPLICANT: Mahairas, Gregory G.
; TITLE OF INVENTION: VACCINE ADJUVANT
; FILE REFERENCE: 08411-016001
; CURRENT APPLICATION NUMBER: US/09/692,064
; CURRENT FILING DATE: 2000-10-19
; PRIOR APPLICATION NUMBER: US 60/160,429
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 625
; TYPE: PR1
; ORGANISM: Mycoplasma hyopneumoniae
US-09-692-064-2

```

Query Match	20.0%	3.5%	Score 138.5;	DB 5;	Length 625;
Best Local Similarity	20.0%	Pred. No. 0.038;			
Matches	155;	Conservative 117;	Mismatches 270;	Indels 233;	Gaps 37;

OY	19	L	S	K	N	R	E	T	T	V	L	G	V	E	L	M	A	L	V	S	M	G	A	K	T	V	G	L	E	S	T	P	A	I	N	D	S	S	E	R	M	T	G	E	S	T	78								
Db	1	M	K	K	A	R	K	-	L	R	T	S	T	L	T	L	A	F	S	V	E	T	L	L	S	A	G	-	-	L	Q	K	N	S	L	E	V	N	L	A	G	D	S	L	A	G	F	N	E	56					
OY	79	V	R	G	H	P	Y	K	O	F	R	A	H	D	L	R	N	L	E	G	S	R	S	Y	Q	Y	-	C	E	N	L	K	A	P	L	G	S	S	V	K	K	H	D	I	S	-	134								
Db	57	T	-	-	-	-	-	-	Y	N	D	F	G	T	I	D	K	D	G	N	L	S	G	-	Q	S	Y	P	A	F	A	Y	L	K	-	-	L	N	K	N	S	L	-	-	S	Y	D	N	L	A	I	S	102		
OY	135	-	-	-	-	-	-	-	T	R	E	D	Y	A	M	S	-	P	R	I	T	-	-	G	D	E	L	N	O	K	L	R	A	V	N	G	H	P	O	N	A	N	I	M	E	G	E	L	177						
Db	103	T	T	T	E	N	M	L	L	P	T	K	P	N	K	M	S	D	N	P	L	V	T	I	T	N	G	E	K	E	N	E	I	G	S	V	F	G	D	N	K	O	S	P	E	L	V	E	K	A	162				
OY	178	N	A	I	R	T	O	E	A	V	N	Y	S	N	A	P	I	S	N	D	E	S	F	K	R	E	S	E	S	N	L	V	S	T	S	O	L	S	I	M	R	O	A	L	K	O	L	I	D	P	N	A	T	K	237
Db	163	N	L	T	M	S	V	G	A	-	-	-	-	-	N	D	P	L	A	I	F	N	E	F	K	K	M	A	-	-	S	I	K	K	S	E	A	K	L	I	D	P	N	-	-	E	R	A	206						
OY	238	K	O	V	E	D	P	O	L	S	T	F	E	S	E	D	K	D	K	T	N	K	G	Q	N	-	-	-	-	-	-	L	S	G	L	V	T	P	T	P	P	D	D	P	M	P	M	Q	287						
Db	207	N	F	L	E	K	G	M	L	A	E	V	N	K	I	E	E	I	N	T	I	N	L	I	K	E	L	K	A	L	N	P	K	I	S	I	N	L	I	G	K	L	P	N	S	-	-	-	-	258					

QY	288	PQTTSVLRKRAIDYDCKLLEGATLQTLGDNVNSFQARVSSNDGRIEISDQTYLTL	347
Db	259	-----FIKRLKLLTYAKI-----ETDFINRPE-----	283
QY	348	LNSPAGYSIAEPITFEKVAGKVVYITIDGKQIENPNKEIVPEYSVAEYNDSEFSVLTQN	407
Db	284	-----KINKIRESAIAIKN-KVNYIDVYOKSIYNDSD-----	313
QY	408	YAKFYVAKN-----KNGSSQVYVYCCNADLKSPDSED-CGKMTYDFTTGEVKT	456
Db	314	--KMLKMNEDFHSIDGYYKIAQQLLLKIDQEKDSDSNEELKNYTNEDFDPENKRTYS	371
QY	457	HIAGRDLFKYTVKRPDDPTFLKHIKVIKEYGREGOAIEYSGLETQILRATOLAIY	516
Db	372	KV-----IDLSYFAKSNKEFLEK-LNEKKQISEFIAQKST-----	405
QY	517	YFTDSAEIDKDKLDQYGFEGDMNDSTLAVAKILVEYADSDNPOLDLDE--FIPNNKTY	574
Db	406	FDTQOEAARIK--DKRTFGNI-----VREIV-----SLPFDNFDRERILPVKNPF	449
QY	575	QSLIGTQWHPED-----LVYDIIRMEDK-----EVIPTVHNLTLYKVTGTLAGDRTKD	622
Db	450	VKAIINSTYLGKPRAGSLKIDLEQLENNKYKODARPNRIKIFDTIIDSFIKMAFAFA-----E	504
QY	623	FHEIEELKNNKQ--ELLISQTVKT-----DKTNLEFKDG--KATINLKHGESLTLQGLP	671
Db	505	LNTQOEIKIEKFMSPQIIFLTFLRNAILSPFDUTKL--KDSATFKTLMILKPEOILITLGLS	562
QY	672	EGSYLVAK-----TDSSEGYKKVANSQEAIVANTVSTGITSSEDLAFENKKEPVVPT	723
Db	563	KTPSVKPEKPKDQSKRPQTDYDSSQKQESGTS-----YDSTATAYENQAPADOT	612

```

RESULT      4
US-09-430-590E-142
; Sequence 142, Application US/09430590E
; GENERAL INFORMATION:
; APPLICANT: Poultier, et al.
; TITLE OF INVENTION: UNUSUAL RETROTRANSPOSON FROM THE YEAST CANDIDA ALBICANS
; FILE REFERENCE: 674521-2001.1
; CURRENT APPLICATION NUMBER: US/09/430,590E
; CURRENT FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 60/106,342
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ. ID NOS: 156
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 142
; LENGTH: 795
; TYPE: PRF
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: sequence of retrotransposon from unknown organism
US-09-430-590E-142

Query Match      3.2%; Score 127; DB 5; Length 795;
Best Local Similarity 19.2%; Pred. No. 0.43;
Matches 127; Conservative 103; Mismatches 238; Indels 194; Gaps 37.

OY 75 YESYRGHPYRKOPFVANDLRNLEGSRSYOYCCENLKK---APPLGSDSSVKKKMYKKH 130
   |::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 223 YAVHNRNTPPIKEF-----DGAIPREKY-IGLSKRYVLPFFQGTGVLI-KCASYQ 270
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
OY 131 DGISTKF---EDYAMSPRITG-----DELNQKLRAVYNGHPONANGIMEGLEPLNAI 180
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 271 EAIISLKLSSNDKAPPTWPGAFLEGYGDSDFFERY-LYSTGKYPVITTT---SNIRPIAM 326
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
OY 181 RVTGEAVVYYSYDNAPISNPDESFKRESESNLYSTQSLIMRQALKQLIDPNLATKPKQV 240
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 327 QVLDNDYLAIVISNSISY-DDTF-----LSPLNHPMIRTN----- 360
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
OY 241 PDDPQLSLFSESDCKDKNKNGYQNLISGLGVPTKPTPED-PMPMPNPDQTTSVLIRKYA 299
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

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Db 361 -----QHDRGDNMINVEYEN-----RPNVFEFHAEPRTNSTGTIDRP-- 4000
QY 300 IGDYSKLEGATIDLOLTDGNVNSFOARVFSSSNDIGERLESDGTYTL----- 3455
Db 401 --DIRPRADPTWORMPDANIHO--ETTVVQPRPDHGEIDTMINNEHQLRSGEGNPGQOVR 457
QY 346 -----TELNSPAGYSIAEPTTFKEAGKYVYIIIDGKOIENPNKEIPEYSVEA 3933
Db 458 TDIIGFRDRCPPTLNTLRPIDGVPD-----EIDDI--SMISENIDSPNEMIIISPLPT 5100
QY 394 YNDFE-----EFSVLTTO-----NYAKFYAAKKNGSSOVVYCFPMADLXSPD 436
Db 511 -NELHQAIDISSGMSLQOTMEADNELKTNEWLYKSKN-DGIIIOOQOFTENT--SDEN 5675
QY 437 SEDGKTPTPTFTGGEVKYTHIAGRODLFKTYVPRD-----TDPDTFLKHKKVIEK 4888
Db 568 EED---SSTDEBETLEDKKOQRL-----EINISNDEMINDVONEDTQVPHAKETINY 6188
QY 489 GYREKGAQ---IE---YSGTTEQLRAAFOLATVYFTDSAEIDKDKLKYDHGGGNDMS 5411
Db 619 ETQSRNETNMRIMGIIENISDDGKTPRELRIIVYDNNKEIEK-----YQDS 6667
QY 542 TLAAKTILVEAODSNPOLDLDFIRPNNNKYOSLGTOHNPRED-LVDIIRM---EDK 597
Db 668 NIEI-----SEPRNENENOTIESN--LELLNOQEFODPROVEDIRLTTPKKDK 7155
QY 598 EVIP---VTNHLILRKTYVYGLAGRDQDFHEFELKKNKKOELLQIVKT--DK--TNLEFKD 6522
Db 716 SLSPDFNQTHN-----ETQLPMADINEDMLEEYDENINMNEVLADSTETLDEKELDEES 7700
QY 653 GK 654
Db 771 GR 772

```

RESULT 5
 US-08-956-5254
 Sequence 5254, Application US/08956171C
 GENERAL INFORMATION:
 APPLICANT: Charles Kunsch
 Gil H. Choi
 Patrick S. Dillon
 Craig A. Rosen
 Steven C. Barash
 Michael R. Fannon
 TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
 NUMBER OF SEQUENCES: 5255
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/956,171C
 FILING DATE: 20-Oct-1997
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/009,861
 FILING DATE: January 5, 1996
 APPLICATION NUMBER: 08/781,986
 FILING DATE: January 3, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Hoover, Kenley K.
 REGISTRATION NUMBER: 40,302
 REFERENCE/DOCKET NUMBER: PB248P1
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 610-5790
 TELEFAX: (301) 309-8439
 INFORMATION FOR SEQ ID NO: 5254:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1027 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 5254:
 US-08-956-171C-5254

Query Match 3.1%; Score 121.5; DB 4; Length 1027;
 Best Local Similarity 20.2%; Pred. No. 1.7; Indels 225; Gaps 27;
 Matches 133; Conservative 72; Mismatches 230;

QY 153 OKLRAYVNGHPONANGIME--GLEPLNAIRVTOEAVWYYSNDAPISNDESFKRES 209
 DB 49 OKTTVEENGSATDNKTSSTQTATNVNHIETQ-----SYNATVT-----EDPSNA 96
 QY 210 NLVSTQSLIMRALKQILDNPILATMPKQVPPDQFQSLFESDEKDKYAKYQNLISG 269
 DB 97 TOVTEAPRAVQAPQAPANIEVKEEYKEAKROYKETSQD--NSGQROYD-- 152
 QY 270 LVPTKPPPTPDPMPPNQPTSVLRKKAIGDYSKLLEGATLQLGDNVNSFOARFESS 329
 DB 153 LTPKK-----ATONQVAETQVEVAQPTASESK-----PRVTR 186
 QY 330 NDIGERIELSDGYTTELNSPAGYSIAEPIETFEKVEAGKYTIIDGKQIENPKKEIPEY 389
 DB 187 ADVAEAKESNA-----KVETGTDVT-----SKVTEIG 215
 QY 390 SVRAYNDEEFSLVTQNYAKFYAKRKNSSQVYVCFENDL-----KSPDS 437
 DB 216 SIEGHNNNTNVEPHAGRAVLKYLKFEENGLHOGDY-FDETLNNTVNTGVSARAKYPEI 274
 QY 438 EDGKTPPTFTGEVYTHIAGRDLEKYTKPRDEPDTFLKHKKVIE-KGYREKQA 496
 DB 275 KNSGVY---ATGEVLE---GKIRITFTNDLEDKYDTAELEINFLIDPKVYQVNGN 327
 QY 497 IEVSGLETLQRAATOLAIYFTDSALD--KDKLDYHFGSDMNSTLAVAKIIVEYA 553
 DB 328 TITSTINEEO-----TSKELDVYKDGIGNY--VANLMS-----IET 364
 QY 554 QDSNPQILDIDFPIPNKKYOSLI-----GPO-----WHPEDVDII- 591
 DB 365 NKAN-NRFSVAATIKPNNGKTSVTYVTLMKGSNONGNPKVRIEYLGNNEDIKSVY 423
 QY 592 -RMEDKKEVLPVTHNLRLKRYTGLAG-----DRTKDFHEIE----- 628
 DB 424 ANTTDTSKFEKVSNNMGNLONNGYSYININLDTKYVYVHIDGELNLTDEVDFETQM 483
 QY 629 -----LKNKKOELLQTVKTXDXTNL 648
 DB 484 VGHPEOLYKYRGLYLLDNGLVLYSNKANGNEKNKPIQNNKEKYKEDTJKELTGQ 543
 QY 649 EFDGKATILKKGESITLQ-----GLPEGSYLVKRETDSCG---TKVYNSQ 693
 DB 544 YDKNLVTVVEEY-DSSTLDIDYHTALDGGGGYVDGYETFEETDSADIDYHTAVDSE 602

RESULT 6
 US-09-421-124-16
 ; Sequence 16, Application US/09421124
 ; GENERAL INFORMATION:
 ; APPLICANT: Futreal, Phillip A
 ; APPLICANT: Wooster, Richard F
 ; APPLICANT: Ashworth, Alan
 ; APPLICANT: Stratton, Michael R
 ; TITLE OF INVENTION: Materials and methods relating to the
 ; TITLE OF INVENTION: Identification and sequencing of the BRCA2 cancer
 ; TITLE OF INVENTION: susceptibility gene and uses thereof.

NUMBER OF SEQUENCES: 222
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Bell Seltzer Park & Gibson
 STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
 CITY: Raleigh
 STATE: NC
 COUNTRY: USA
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/421,124
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/755,587
 FILING DATE: 25-NOV-1996
 APPLICATION NUMBER: GB 9523959.6
 FILING DATE: 23-NOV-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9525555.0
 FILING DATE: 14-DEC-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9617961.9
 FILING DATE: 28-AUG-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Kenneth D Sibley
 REGISTRATION NUMBER: 31,665
 REFERENCE/DOCKET NUMBER: 5405-135
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2329 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-421-124-16

Query Match 3.1%; Score 121.5; DB 5; Length 2329;
 Best Local Similarity 17.9%; Pred. No. 6.7; Indels 305; Gaps 35;
 Matches 138; Conservative 104; Mismatches 224;

QY 133 ISTKFEDYAMSPRITGD-----ELNOKL----- 155
 DB 504 ISRGKESYKMSDKLKNNTESDVDELTKNIPMEKNQVCALENKYKVELLPREKYRVAS 563
 QY 156 --RAVYNGHPONANGIMGLEPLNAIRVTOEAVWYYSNDAPIS---NPD-ESFRRESE 208
 DB 564 PSRKVOFN--QNTN-----LRYIOKNQ-----ETTSISKITVNDSEELFSDBE 606
 QY 209 SNLY-----STQSLIMRQA 223
 DB 607 NNFVFOVANNERNNLALGNTKELHETDLTCVNEPIEFKNSTWYLGDTGKQATOVSIKKDL 666
 QY 224 LKQILDPN-----LATKPKQVPPDQFQSLFESDEKDKYKGYQNLISGGLVPTKPP 276
 DB 667 VYVLAENKNSVQKHIMTLGQDLKSDISLNT---DKIPEKNNDMMNKWAGLIGP--- 718
 QY 277 TPEDPPRPNQPTSVLRKKAIGDYSKLLEGATLQLGDNVNSFOARFESSNDIGERI 336
 DB 719 -----ISNHSFGSFRFASNKETIKLSHNK--KSKWF-FKDIIEQY 757
 QY 337 ELSDGYTTELNSPAGYSIAEPIETFEKVEAGKYTIIDGKQIENPKKEIPEYVSEAYND 396
 DB 758 -----PTSLACVE-----IVNTLALDN--OKLSKPOSITVSA 789
 QY 397 FEEFSVLTQNYAKFYAKRKNSSQVYVCF--FNADLKSPDS-----EDGK 442
 DB 790 HLOSSVYVD-----CKNSHTTPQLMFSKODFNSNNHNLTPQKQITELSTILDSGS 842
 QY 443 TWPPTFTGEVYTHIAGRDLEKYTKPRDTPDTFLKHKKVIEK-----G 489

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Db 843 QF--EFTQFR-KPSYLQKSTFEV-----PENQMTILKTSTSECRADLHVIMNAPS 891
QY 490 YREKGAITEYSGLTETOLRAATOL-----AIYFTDSALDKDKLYHGFGDMNDST 542
Db 892 IGVDSKSKOFEQVEIKRFRFAGLLKNDCKNSASGYLTDENEVFRGFYSAHG--TKLNVST 950
QY 543 LAVAKLIVEAODSNPOLDLDFIPNNKYSLGTCQMHPRDLDIIMEKKEVIY 602
Db 951 EALQKAVKLFSDIENISEETSAEV-----HPISLSSKCH-DSSVSMKIEIEN----- 996
QY 603 THNLTARKVTYGLAGDRTKDFHEIELKNNKOBELLSQT-----VTKDTNLE 649
Db 997 -HN-----DKT-----VSEKNNKCOLLIQNNIEMTTGTFVEIETENYKRNT 1037
QY 650 FKDGKATINLKHGESLTLQGLPBGYSYLV--KE-----TDSBGYKVKVNSQ----- 693
Db 1038 NEDNKYTAASRNSHNLFEFSDSSKNDTVCIHKDEDTLLFTDOHNICLKLSGQFMKEGNT 1097
QY 694 -----EVANATVSKTGITSDDELAFENNKEPVYPTGVDDKINX 732
Db 1098 QIKEDLSDLTFLEVAKAQEACHGNTS-----NKEQLATATTEQNIKPF 1140

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RESULT 7
US-09-421-124-16

```

; Sequence 16, Application US/09421124
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: Identification and sequencing of the BRCA2 cancer
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; ZIP: NC 27622
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/421,124
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
; APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2329 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-421-124-16

```

Query Match 3.1%; Score 121.5; DB 5; Length 2329;
Best Local Similarity 17.9%; Pred. No. 6.7;
Matches 138; Conservative 104; Mismatches 224; Indels 305; Gaps 35;

```

QY 133 ISTKFEYAMSPRITGD-----ELNOKL----- 155
Db 504 ISRGKESYKMSDKLKGNNESVDYELTKNIPMEKNODYCALNENYKNVLLPPEKYARVAS 503
QY 156 --RAVYNGHPQANGIMEGLEPILNIRYQEAWVWYSDNAPIS---NPD-ESFKRESE 208
Db 564 PSRKQOFN--QNTN-----LRYIQKNQ-----ETTSISKITVANDSELSDSNE 606
QY 209 SNLY-----STQSLMROA 223
Db 607 NNFVFOVANERNMIALGNTKELHETDLCVNEBIFPNKSTWLYGDTGDKATQVSIKDL 666
QY 224 LKQIDPN-----LATKMPKQVPPDDFOLSTPESDEKDGKYNKYQONLLSGGLVPTKPP 276
Db 667 VYVLAENKNSVQHKIMTIGQDLKSDISLNT---DKIPEKNNDYNNKKAGLGP---- 718
QY 277 TPGDPPMPNPQPTTSYLIRKVAIGDYSKLLEGATIQLTGDNVNSFOARVSSNDIGERI 336
Db 719 -----ISNHSFGSGFRFASNKELIKSEHNK--KSKMF-FKDIIEGY 757
QY 337 ELSDGTYTTLTSLNSPAGYSTAEPIITRVEAGKYTTIIDGQIENPKIEIPEYSVEAYND 386
Db 758 -----PTSLACVE-----IVNTLALN--OKIKSKPOSINWVA 789
QY 397 FEESVLTQNVAKFYAKKKNSSOVYVC---FNADLKSPPS-----EDGKG 442
Db 790 HLOSSVYVSD-----CKNSHTTPOMLFESKOPNSHNHNTPSQKEQITLSTILDSGS 842
QY 443 TMTPTDTGEVKKYTHLAGRDLFKYTKAPRDTDPTEFLKHKVIEK-----G 489
Db 843 QF--EFTQFR-KPSYLQKSTFEV-----PENQMTILKTSTSECRADLHVIMNAPS 891
QY 490 YREKGAITEYSGLTETOLRAATOL-----AIYFTDSALDKDKLYHGFGDMNDST 542
Db 892 IGVDSKSKOFEQVEIKRFRFAGLLKNDCKNSASGYLTDENEVFRGFYSAHG--TKLNVST 950
QY 543 LAVAKLIVEAODSNPOLDLDFIPNNKYSLGTCQMHPRDLDIIMEKKEVIY 602
Db 951 EALQKAVKLFSDIENISEETSAEV-----HPISLSSKCH-DSSVSMKIEIEN----- 996
QY 603 THNLTARKVTYGLAGDRTKDFHEIELKNNKOBELLSQT-----VTKDTNLE 649
Db 997 -HN-----DKT-----VSEKNNKCOLLIQNNIEMTTGTFVEIETENYKRNT 1037
QY 650 FKDGKATINLKHGESLTLQGLPBGYSYLV--KE-----TDSBGYKVKVNSQ----- 693
Db 1038 NEDNKYTAASRNSHNLFEFSDSSKNDTVCIHKDEDTLLFTDOHNICLKLSGQFMKEGNT 1097
QY 694 -----EVANATVSKTGITSDDELAFENNKEPVYPTGVDDKINX 732
Db 1098 QIKEDLSDLTFLEVAKAQEACHGNTS-----NKEQLATATTEQNIKPF 1140

```

RESULT 8
PCT-US01-08117-95

```

; Sequence 95, Application PC/TUS0108117
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: HILMAN, Jennifer L.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YUE, Henry
; APPLICANT: LAL, Preeti
; APPLICANT: LU, Dzung Anna M.
; APPLICANT: PATTERSON, Chandra
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: MATTHUR, Preete

```

```

; APPLICANT: SHAH, Purvi
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: TRANSCRIPTION FACTORS
; FILE REFERENCE: PF-0761 PCT
; CURRENT APPLICATION NUMBER: PCT/US01/08117
; CURRENT FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 214
; SOFTWARE: PERL Program
; SEQ ID NO: 95
; LENGTH: 1312
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc. feature
; OTHER INFORMATION: Incyte ID No: 4880891CD1
; PCT-US01-08117-95

```

```

Query Match          3.0%; Score 120; DB 1; Length 1312;
Best Local Similarity 19.9%; Pred. No. 3.3;
Matches 144; Conservative 89; Mismatches 233; Indels 256; Gaps 35;

```

```

QY 85 YKQFYAHDLR-VNLE-GSRSYQVYCFNLKKAAPL---GSDSVKRWYKHDISTKEE 138
DB 341 FKLFLVHLKGFHDNIESGAVMKQYV---QDLGIPVLSAGYVNCAYKKY---LYGFE 394
QY 139 DYAMSRTIGDELINOKLRVMTNGHPQANANGIMEGLEPLNAIVTQDEAVWYSDNAPISN 198
DB 395 EYCRSANI---EQMALPEKVVNCKECKENVKE---IKVKEE---N 432
QY 199 PDE--SFKRESNLSVTSOLSIMRO-ALKOLIDPMLATKMPKQVDDPQLSIFESSEDK 255
DB 433 EPIEIKIKHEEENIIPREKPIEDIEIKENIKPSIGSR----- 472
QY 256 DKYKGYQNLGGGLVPTKPPGDPMPNPQPTTSVLIRKVAIDYSKLLGATLQLT 315
DB 473 -----KNLLES-----IPHSQKEKVENIK-----P 494
QY 316 GDNVNSFOARVSSNDIGETIELSDGTYTTELSNPAQVSIAPITPKVAKVYITIDG 375
DB 495 EDNEN-----DDKDDDTTRVD-----ESLNIKVAEE---KA 525
QY 376 KOIENPNK-----EIVEPYSAVYNDFEESVLTQNYAKFYAKKNG 419
DB 526 KSGDEINKKEDEDEDEBAEHEEHEEEDDDDDNNEEPEFCYPPGMKVQVYRGKGN- 584
QY 420 SSGVYVCFNADLKSPDSEDEGCKTMTPTFTTGEVKY-THIAGRDLEKY-----TVKP 470
DB 585 --QKMY--EASIK--DSDEG-----GEVLVHYCGWNV-RYDEMIKADRIVRP 627
QY 471 ROTDPTFLKHIKVIETKGRKGAIEYSGLETQLRATQALTYFTDSALDLDKLK 530
DB 628 AKKNVPR-IKHKRIKINKLDKEDKDEKYSR-KNCKLR-----RLSKPPFQ 671
QY 531 DYHGFDMNDSTLAVAKILVEYADSNPQLTDLDFIPNNKYSOLIGWHPEDLVDI 590
DB 672 -----TNPSPMYSKLDLTDAKNSDTAHIKSIET-----TSLNGLQASSESAED 716
QY 591 IRMEDKREVIPTVHTLTKRVTYGLAGDRTKDFHEIEIKNNKQELLQSOTVKTDKNLEP 650
DB 717 SREQDERGAQODMNN-----GKEESKIDH-----LTNNRNDLISKEQNSSSILLE 762
QY 651 KQKQATINKHGESLTLQGLPEGYSTLVKETDSEGYKVKVANSOEVANAYVS----- 701
DB 763 NKVHADLVISKPSKSPERLRIKDIEVLSEDTVEEEDVYKRRKDVKKDPTDKSSKPIKR 822
QY 702 -----KTG-----ITSDETLAPENN-----KEPVYTGVDOKI 729
DB 823 GKRRCNTEECLEKTSFGPKKEKAKKESICLWENSSNSDEDEETKAKMPT---KKT 879
QY 730 NG 731

```

DB 880 NG 881

RESULT 9

US-09-421-124-44

; Sequence 44, Application US/09421124

; GENERAL INFORMATION:

; APPLICANT: Futreal, Phillip A

; APPLICANT: Wooster, Richard F

; APPLICANT: Ashworth, Alan

; APPLICANT: Stratton, Michael R

; TITLE OF INVENTION: Materials and methods relating to the BRCA2 cancer

; TITLE OF INVENTION: Identification and sequencing of the BRCA2 cancer

; NUMBER OF SEQUENCES: 222

; CORRESPONDENCE ADDRESS:

ADDRESSEE: Bell Seltzer Park & Gibson

STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107

CITY: Raleigh

STATE: NC

COUNTRY: USA

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/421,124

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/755,587

FILING DATE: 25-NOV-1996

APPLICATION NUMBER: GB 9523959.6

FILING DATE: 23-NOV-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9525555.0

FILING DATE: 14-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9617961.9

FILING DATE: 28-AUG-1996

ATTORNEY/AGENT INFORMATION:

NAME: Kenneth D Sibley

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5405-135

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 3418 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-421-124-44

Query Match 3.0%; Score 120; DB 5; Length 3418;

Best Local Similarity 18.3%; Pred. No. 16;

Matches 125; Conservative 102; Mismatches 259; Indels 196; Gaps 27;

```

QY 119 SSSSVKRWYKHDISTKEEDYAMSPRTIGDELINOKLRVMTNGHPQ---NANGIMEGLE 175
DB 1741 SNSSMSNSYSYSD-----EYVNDISRIILSKNKLDGIEPLKVNVEDQKTSKYSINPK 1795
QY 176 PLNAIVT-----OEAVWYSDNAPISNPDESFKRE-SESNLVSTOLSIMROALKOL 227
DB 1796 DANAYPQTVNEDICVELY---TSSSPCKNKNAIKLISNSNPNFVGPAPARIASGKTR 1852
QY 228 IDPNLATKMPKQVDDPQLSIFESSEDEKGYKNGYQNLGGILVPTKPPGDDPPMPNQ 287
DB 1853 LSHETIKKVKDI-DSFSKVIETKENNEK-SKICQTKIMAGCYE----- 1895
QY 288 PQTTSVLIRKVAIDYSKLLGATLQLTGDNNNSFOARVPS---SNDIGETIELSDGTYT 344
DB 1896 -----ALDSEDLIHS---LDNDECSMHSKVFADIQSEELIQHNNMSGLEK 1941

```

```

QY 345 LTELNSPAGSYIAEPIFYKYEAGK-----VYTIIDGQIENPKKEIPEYSVE 392
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1942 VSK1-SPCDVSLSTDCICKSIGKLAHSVSSANTCGIFSTASGSKVQSPASLONARQV- 1999
QY 393 AYNDPEEFVLTTONAKFYAKNNKSSQVYCFNADLKSPD--SEDC-----GKTM 444
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2000 -----FSIEDSTKQVFSKVLKFSNEH-SDQLTRENTAIRTEPHILISQKGFSTVNVVSSA 2054
QY 445 TPDETTGEVRYTHIAGDLKFKYTVKPRDPTDFLKHKKVIEKQREKQALIEYSGLTE 504
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2055 FSGFSTASGKQVSLSSSLHKV-----KGLVEEFDLIR----- 2087
QY 505 TOLRAATQALIIYFTDS-----AELDKDKLKY-----HGF 535
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2088 -----TEHSLHSPSTRQVSKILPRVDRKRNPEHCYNSMEKTSKFKLSNNLNEGG 2141
QY 536 GDMNDSTLAVAKILVEAODSNPPQDLDFETPNNNKQSLIGTQHPDLYDIIMED 595
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2142 SSENNSIKVSPYLSQROD-----KQDLVLGK-----VSLVENIHVLG 2181
QY 596 KKEVIVPTNHLTKRYT-----GLADRTKDF--HFETELKNNKQELLSQTVKT 643
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2182 KEQASPKVAKMEIGKTEFSDVPVKTNIIEVCSYKSDSENYFEFEAVEIKAFMEDELT 2241
QY 644 DK-----TNLEFKDKKATINLKHGESLTLOGLPESYSLVYKETSDEGKYK 689
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2242 DSKLPSHATSLFTCPENEMVLSNSRIKRGEPILVLGEPISIKRNLLNEFD---RII 2297
QY 690 VNSOEVANATVSKTGITSDELT 711
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2298 ENQEKSLKASKS-----TPDGTI 2315

```

RESULT 10 US-09-421-124-44

```

: Sequence 44, Application US/09421124
: GENERAL INFORMATION:
: APPLICANT: Futreal, Phillip A
: APPLICANT: Wooster, Richard F
: APPLICANT: Asmworth, Alan
: TITLE OF INVENTION: Materials and methods relating to the
: TITLE OF INVENTION: Identification and sequencing of the BRCA2 cancer
: TITLE OF INVENTION: susceptibility gene and uses thereof.
: NUMBER OF SEQUENCES: 222
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Bell Seltzer Park & Gibson
: STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
: CITY: Raleigh
: STATE: NC
: COUNTRY: USA
: ZIP: NC 27622
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/421,124
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/755,587
: FILING DATE: 25-NOV-1996
: APPLICATION NUMBER: GB 9523959.6
: FILING DATE: 23-NOV-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: GB 9525555.0
: FILING DATE: 14-DEC-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: GB 9617961.9
: FILING DATE: 28-AUG-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Kenneth D Sibley

```

```

: REGISTRATION NUMBER: 31,665
: REFERENCE/DOCKET NUMBER: 5405-135
: INFORMATION FOR SEQ ID NO: 44:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3418 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-09-421-124-44

```

Query Match 3.0%; Score 120; DB 5; Length 3418;
Best Local Similarity 18.3%; Pred. No. 16;
Matches 125; Conservative 102; Mismatches 259; Indels 196; Gaps 27;

```

QY 119 SDSSVKKRWKHKDGIKTFEDYAMSPRTGDELNOKLRAVYNGHPQ---NANGIMEGLE 175
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1741 SNSSMSNSYTHSD-----EYNDSTRILSKNKLDSGIEPLAKNEQDKNTSFSKVISNK 1795
QY 176 PLNAIRVT-----QBAWYISDNAPISNPDESFKRE-SESNUVSTQSLSMRQALKOL 227
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1796 DANAYPQTVNEDICVEELV---TSSSPCKNNKNAIKLISNSNFEVGPAPFRIASGKIR 1852
QY 228 IDPMLATKMPKQVDDPQLSIFESSEDKDKYKNGYONLGLGLVPTKPPPGDPMPNPQ 287
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1853 LCHSHETIKKAYDI-DSRSKIYTFKENNEK-SKICQTKIACGE----- 1895
QY 288 PQTTSVLIRKRYAIGDYSKLEGATLQLTGDNVNSFOARVS---SNDIGERIELSDGTYT 344
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1896 -----ALDSEDLIHN---LDNDECSHSHKVFADIQSEIILQHNQMSGLEK 1941
QY 345 LTELNSPAGSYIAEPIFYKYEAGK-----VYTIIDGQIENPKKEIPEYSVE 392
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1942 VSK1-SPCDVSLSTDCICKSIGKLAHSVSSANTCGIFSTASGSKVQSPASLONARQV- 1999
QY 393 AYNDPEEFVLTTONAKFYAKNNKSSQVYCFNADLKSPD--SEDC-----GKTM 444
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2000 -----FSIEDSTKQVFSKVLKFSNEH-SDQLTRENTAIRTEPHILISQKGFSTVNVVSSA 2054
QY 445 TPDETTGEVRYTHIAGDLKFKYTVKPRDPTDFLKHKKVIEKQREKQALIEYSGLTE 504
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2055 FSGFSTASGKQVSLSSSLHKV-----KGLVEEFDLIR----- 2087
QY 505 TOLRAATQALIIYFTDS-----AELDKDKLKY-----HGF 535
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2088 -----TEHSLHSPSTRQVSKILPRVDRKRNPEHCYNSMEKTSKFKLSNNLNEGG 2141
QY 536 GDMNDSTLAVAKILVEAODSNPPQDLDFETPNNNKQSLIGTQHPDLYDIIMED 595
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2142 SSENNSIKVSPYLSQROD-----KQDLVLGK-----VSLVENIHVLG 2181
QY 596 KKEVIVPTNHLTKRYT-----GLADRTKDF--HFETELKNNKQELLSQTVKT 643
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2182 KEQASPKVAKMEIGKTEFSDVPVKTNIIEVCSYKSDSENYFEFEAVEIKAFMEDELT 2241
QY 644 DK-----TNLEFKDKKATINLKHGESLTLOGLPESYSLVYKETSDEGKYK 689
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2242 DSKLPSHATSLFTCPENEMVLSNSRIKRGEPILVLGEPISIKRNLLNEFD---RII 2297
QY 690 VNSOEVANATVSKTGITSDELT 711
    : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 2298 ENQEKSLKASKS-----TPDGTI 2315

```

RESULT 11 US-08-956-171C-5235

```

: Sequence 5235, Application US/08956171C
: GENERAL INFORMATION:
: APPLICANT: Charles Kunsch
: APPLICANT: Gil H. Choi
: APPLICANT: Patrick S. Dillon
: APPLICANT: Craig A. Rosen
: APPLICANT: Steven C. Barash

```

Michael R. Fannon
 TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
 NUMBER OF SEQUENCES: 5255
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171C
 FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861
 FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986
 FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:
 NAME: Hoover, Kenley K.

REGISTRATION NUMBER: 40,302
 REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 610-5790

TELEFAX: (301) 309-8439
 INFORMATION FOR SEQ ID NO: 5235:

SEQUENCE CHARACTERISTICS:
 LENGTH: 886 amino acids

TYPE: amino acid
 STRANDEDNESS: single

TOPOLOGY: linear
 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 5235:
 US-08-956-171C-5235

Query Match 3.0%; Score 119.5; DB 4; Length 886;
 Best Local Similarity 19.3%; Pred. No. 1.9;
 Matches 139; Conservative 100; Mismatches 259; Indels 221; Gaps 36;

QY 92 HDL-----RVN-----LEGSRSYQYCNFLKKAFLPGSSSVKWKKKHD-----GIST-----K 136
 DB 118 HDIGPREQVNFOLDKNNKNETOYHF-----FSIKPADADYTYTRKKAVELDINTASTWK 172
 QY 137 FEDYAMSPRITGDELNOKL--RAVMTNGHPON-----ANGIMEGLEPLNAIRVQ-----E 185
 DB 173 FEYF-----ENNOKLPLRVLYSTSPVEDIAYIRFPYSDOTGELKIVSSQIDGEE 223
 QY 186 AVWYSD--NAPISNPDESFKRESSENLVSTQSLMRQALKQLIDPNLATMPKQVPD 242
 DB 224 TNYDYTKLVFAKPIYNDPSLVKSDTNDAYVTDQSS----- 259
 QY 243 DPQLSFESEDDKDKYKNGYQNLISGLVP--TKRPDPDPMPRPNOQTTSVLIRKXA 299
 DB 260 ----SVASNOQNTNTNSQNTSTINNANNOPOATTNMSQAPKSSSTNADASSQPAHE-- 313
 QY 300 IGDYKSLBGAATLQTDGVNVSFOARVSSNDIGERIELSDGTYYTLTELNSPAGYSTAEP 359
 DB 314 ----TNSGNTNDKTNESNQ-----SD-----VNOQYPPADESIQDA 347
 QY 360 IFEKVEAGVYVYIIDKQJLENPKKEIVEPYSVEAYNDFEESVLTQNTAKFYANKNG 419
 DB 348 I-----KNPATIIDKEHPTADNWRPI-----DFOKKNDKGEQGFHYASTVE 387
 QY 420 SSOVYVCFNADLKSPPDSEGGGKTMP-----DFTTGEVAKTTHAGNDLFFYTKYKPRDTP 475
 DB 388 PAVVIF-----TKTGPIELGLKTASTWKKEVEYEGDKLP-----VELVSY-----DSDK 433

QY 476 DTELKHKKVIEKGYREGQALIEYSGLETOLRAATOLAIYFTDSAEIDKDKYHGF 535
 DB 434 D--YAVIRFPVNSGTRE-----KVIYSISYGENIHBDY--- 465
 QY 536 GDMNSTLAVAKILVEYAO--DSNPQLDLDDEFIPNNKKYOSLGTOMHPEDLYD--II 591
 DB 466 ---DYTLNV-----FAPITNPDDYVDDETY-----NLQKL-APYHKRAKTERQY 509
 QY 592 RMEDKREVIPTVTHNLTRKVTYGLAGDRTKDFHEIELKNNKQELLQSOTVTKDTNLEPK 651
 DB 510 ELEKIQEKIPEKTKAEYKKKL-----DQTR-----VELADQKSAVTEENYPTNDOLT 559
 QY 653 DCK-----ATINLKHEBSLTGLP-----GTYLVKETSDEGKYVKVNSQEVANA 698
 DB 560 DLQEAHFVYFESEENSESESYMDGFVEHPFYATNLGOKYVMATKDSYWKDLIVGKRYT 619
 QY 699 TVSKTGISDELAFENKNEPYPVPGVDOKINGYALAIYAGISGIMGHTIRIRKHD 757
 DB 620 TVSKDPKNSRTLIF-----PYTP--DKAVNAIVKVVANI--GYEGQYHVRILIND 668

RESULT 12
 US-09-792-024-123
 Sequence 123, Application US/09792024
 GENERAL INFORMATION:

APPLICANT: Roemer, Terry

APPLICANT: Jiang, Bo

APPLICANT: Boone, Charles

APPLICANT: Bussey, Howard

TITLE OF INVENTION: Gene Disruption Methodologies for Drug

FILE REFERENCE: 10182-004-999

CURRENT APPLICATION NUMBER: US/09/792,024

CURRENT FILING DATE: 2001-02-20

NUMBER OF SEQ ID NOS: 490

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 123

LENGTH: 708

TYPE: PRT

ORGANISM: Candida albicans

US-09-792-024-123

Query Match 3.0%; Score 118; DB 5; Length 708;
 Best Local Similarity 18.6%; Pred. No. 1.7;
 Matches 128; Conservative 108; Mismatches 251; Indels 202; Gaps 31;

QY 136 KREDYAMSPRITGDELNOKLRAVMTNGHPONANGIMEGLEPLNAIRVQEAWYVS--D 192
 DB 68 KIEDRGILF--IDDDGLKQVYKDM--NSKSSNDYTRRAHRTDTLVTDGNOMHTSHQ 121
 QY 193 NAPISNPDESFKRESSENLVSTQSLMRQALKQLIDPNLATMPKQVPD--DFQLSI 248
 DB 122 DKQISFEDKMEHEERDD-----VPIINQDYFKVYSPN--NQPSIDDKTRKQGEIYF 172
 QY 249 FESEDDKGRYKNGYQNLISGLVPTKPPGDPMPRPNOQTTSVLIRKXIAIDYSKLIE 308
 DB 173 KNNDDKOKAERGC----- 189
 QY 309 GATLQLTGD--NVNSFOARVSSNDIGERIE--LSDGTYYTLTELN-----SPAGYS 355
 DB 190 SIYAEVLVKNLPASIESEFNMYLLSRLSNENFQKSLISALSFEKGTDSITGHE 249
 QY 356 IABPIFEKVEAGVYVYIIDKQJLENPKKEIVEPYSVEAYNDFEESVLTQ--QNYARFY-- 412
 DB 250 ISLIKNNLGRDQKF--LIFELLSKNANDE-----YTLEDETHIELNLSQAFKSGGLFYCP 304
 QY 413 -----YAKNNKSSQ-----VYVCFNADLKSPPDSEGGGKTMP-----TPDF-- 448
 DB 305 GMLVLVAGIYSASGNSNDQHYIGGCFYVSNIGHPSESRRTSLDYVGNLDELGAHROI 364
 QY 449 --TTGE-----VKYTH--IAGNDLFFYTKYKPRDTPDTELKHKY 485

DB 365 APTGKIRKISKKKKRLVLEKTLXNKLIFVGTDLVLDDEKVLGRLKRFQKLENSI 424
QY 486 IEKGVEKQO-----AIEYSGLETFQRAQTALAIYFTDSAE-----523
DB 425 IESIEDEECOMAGCTNPLALVFTGFSFVSPLSVTNITNISESYKSNFNDFTIYS 484
QY 524 -----LDKRLKDYHGFQGMNDSTLAVAKILVYADSNPQ-----LDDDFITNNKQYS 576
DB 485 KPNVYSRCKIILIPKKNPQWOSTYLSGSSSLMYFPQSSIPKVFIRLEKRLKGN-----540
QY 577 LIGTQWHP-----EDLV-----DII-----RMEDKEVIPTYHNTLTKRTVT 613
DB 541 -LVSNMNPRIINLSQELVYFDELTAKLRNDIIFRPIQOEDELLAODDQRTNEERIN 599
QY 614 GLAGDRTKDFHEIELKNNKQELLQSOTVKT--DKTNLE-FKDGKATINLKHGSELTQGL 670
DB 600 NLT--QNKNTHLPSKIKQAR-----KLVTIILDQNLQPLKLNKLINLAYDYSRLRIEPL 652
QY 671 PEGSYLVKETEDESGYKVKVNSQEVANAT 699
DB 653 PS--VILNDSFEDNEFYVNGCKVYVNI 679

RESULT 13
US-09-430-590E-14
; Sequence 14, Application US/09430590E
; GENERAL INFORMATION:
; APPLICANT: Poulet, et al.
; TITLE OF INVENTION: UNUSUAL RETROTRANSPON FROM THE YEAST CANDIDA ALBICANS
; FILE REFERENCE: 674521-2001.1
; CURRENT APPLICATION NUMBER: US/09/430,590E
; CURRENT FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 60/106,342
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 156
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 995
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: sequence of retrotransposon from unknown organism
; NAME/KEY: UNSURE
; LOCATION: (1)..(995)
; OTHER INFORMATION: 'XAA' can be any amino acid
US-09-430-590E-14

Query Match 3.0%; Score 117; DB 5; Length 995;
Best Local Similarity 18.2%; Pred. No. 3.6;
Matches 123; Conservative 103; Mismatches 238; Indels 210; Gaps 37;

QY 75 YESYVGHVPIYKQFRVHDLRLVLEGSRSQVYCFNLK-----APFLGSSSVKKKTKKH 130
DB 418 YAVHINHPRIKE-----DQATPERY-YGLSKVIPFGFTVLI--KCASTVQ 465
QY 131 DGISTKF---EDYAMSPRITG-----DELNQLRAVYNGHPONANGIMEGLEPLNAT 180
DB 466 EALSTLSPSRDCAFTVYMGAFILGYSOSFTFRV-LVSTKGTPIVTT--SNIRPIATM 521
QY 181 RYQVEAVNTYSDNAPISNPDESFKRESSENLVSTQSLMRQALKOLIDENLATKMKPOV 240
DB 522 QVLDNYLAISENSISY--DDTF-----LSPLNHFMIRTN-----555
QY 241 PDDFQSLFSESEDKGKYNKGYONLSGLVPTKPPTPGD-PRMPNQPQTSVLIRKTA 299
DB 556 -----QHDRGDNINVEYN-----KPNVPFEYHAEPRTNNSSTGIDRP--555
QY 300 IGDYSLKLECATLQTLGDNVNSFOARVFSNDIGERIELSDGTVTL-----345
DB 596 --DIRRADPTWQMRPDANIHQ-ETTTVQTPRDEGLDTMNNHQLPRSEGVNPGQOVR 652

QY 346 -----TELNSPAGYSIAEPITTFKVEAGKYTTIIDQKQENPKKEIPEYSVEA 393
DB 653 TDIIGQFRDRGPTTLNTPIDLGVPD-----ETDDI-SMSENPIQSPNSEMITSSLP 705
QY 394 YNDFE-----EFSVLTQO-----NYAKFYAKNKNKSQVYCFNADLKSPPD 436
DB 706 -NELEHQIDISSEMSILQINMEADNELKTNEMVILKSKN-DGIIIIQQQOFTENL--SDEN 762
QY 437 SEDGKTMPPDFTTGEKKYTHIAGRDLFKYTVKPRD-----TDDPFLKIKKIVIEK 488
DB 763 EED-----SSTDEETLEDKQOQRL-----EYNISPNDSEMINNDVQNEDDIQVPHVK-----808
QY 489 GYREKQATIEYSSLTETQRAATQ-----AIYYTDSA-----DKKIKD 531
DB 809 -----EPIN-----ETQSHNGTNPRIENGITENLSDGKNTPRELRVYTYDNKKIKQ 858
QY 532 Y-----HGGDMNDSTLAVAKILVEYADSNPQDLDLDFIPNNKQY 575
DB 859 YKSNIEISFRPNKKNHTIEN-----LELLDQEMQEDPOVEDIRLTTPKKDKSL 912
QY 576 SLIGTQWHPEDLVDIRMEDKKEVI-PVTHNLTLRRTVYGLAGDRTKDFHEIELKNNKQ 634
DB 913 SPDFNQTHNE--IQLPWADINEDMLEYDENINMNEVLAD--STETLDKELDDESSGRI 968
QY 635 ELLSQTVKTDKTNL 648
DB 969 EYIADRVX-KTEV 981

RESULT 14
PCT-US01-03782A-96
; Sequence 96, Application PC/TUS0103782A
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Ford, John E et al
; TITLE OF INVENTION: Novel Bone Marrow Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-040
; CURRENT APPLICATION NUMBER: PCT/US01/03782A
; CURRENT FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 09/598,075
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/620,325
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/250,583
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 386
; SOFTWARE: Custom
; SEQ ID NO 96
; LENGTH: 5373
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-03782A-96

Query Match 3.0%; Score 117; DB 1; Length 5373;
Best Local Similarity 19.9%; Pred. No. 59;
Matches 145; Conservative 121; Mismatches 258; Indels 206; Gaps 36;

QY 84 YYKQFYVADLRVNLG--SRSTQVYCFNLKAFPLGSSSVKKKTKKHDKGISTKREDYA 141
DB 2323 YEKLGVLHERQSLQAIINRMEEVH--KEA-----NSVQWMESEKREV-LKSDAM 2371
QY 142 MSPRITGD-----ELNOKLRAVYNGHPONANGIMEGLEPLNATIRYTOEAVVYSDNAP 196
DB 2372 SSTKTEIYKAQAESKAPLAEI--EONSPIQYKVEKLAQLVTV-----PN 2417
QY 197 SNPDESFKR-----ESESNT-----VSTQSL-----SLMR 221
DB 2418 SQEAENMKKIQEELNSRWERATEVTVARQRLBESASHLACFOAASQSLAPMLMEKELMA 2477
QY 222 QALKQL-IDENLATKMKPKQVPPDFQSLFES-EDKGDYIKKGIQNLISGLVPTTKRPTG 279

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Db 2478 GVLGSLIDPNMLNKOQOV--QFMKFEFARQOHEOLNEAQCILTG-----PG 2526
QY 280 DPMPPNPQPTSVLIRKAYIDYSKLEGATLQTDGVNVSFQARVSSNDIGERIELS 339
Db 2527 DVSLSSTQVOKELQISINO-----KWVELT-DKLNRSISOI--DOAIVSTQO 2571
QY 340 DGTYYTLTELNSPAG--YSIAEPIFEKVEAGKYTTIIDGKOINPNK-----EIVEPYSVE 392
Db 2572 ELLQDLSSEKVRVAVGRLSVQSAISTQPEAVK-----QOLETSEIRSDLLQDLHEVKE 2624
QY 393 AYNDPEEPSVLTTONYAKFYAKN-----KNGSSQVYVCFNADLKSPDSE--- 438
Db 2625 AQTLCDELISVLIGEOYLKDELKRLKETVALPLQGLEDLAADRINRLQALASTQOQOMF 2684
QY 439 DGGKMTPTDFTTGEVKYTHIAGRDLEKTYVPRDPTDPTFLKHKKVIEKGYREKQALE 498
Db 2685 DELRTWLDKQSQOAKNCPIISAK-----LERLQSOQLENEEFQKSLNQ 2727
QY 499 YSGLTETQLRAATQALAIYFTDSAEIDKDK-----LKDYHGFQNDSTLAVAKTL 549
Db 2728 HSGSYEVIVAEESLIL-----SVPRGEEKRTLQNLQVLELKNH--WEELSKKTADRQSR 2780
QY 550 VEYADDSNPQLTDLDFIIPNNKYOGLIGTQWHPEDVDII-----RMEDKKEVI-PVT 603
Db 2781 KDCMOKA-----OKY-----QWVEDLVPMIEDCKAKMSELRTLDPVQ 2819
QY 604 HNLLRKTYTGLAGDRTKDFHEIELKNNKQELLSTQVTKDNTLNEFKDGKATIN----- 658
Db 2820 LESSILRSKAML--NEVERRSLELTINSADLILNSSEADEGCI--RDEKAGINONMDA 2875
QY 659 -----LKHG--ESLT--LQGLPEGSYLVKETSDEGYKVV-----NSQEVANATVSKTG 704
Db 2876 VTEELQAKTGSLEEMQRLREFQESFKIEKVEGAKHQLEIFDALGSQACSKNLEKLR 2935
QY 705 ITSDETLAFE 714
Db 2936 AOEVLQALE 2945

RESULT 15
PCT-US01-03782A-284
; Sequence 284, Application PC/TUS0103782A
; GENERAL INFORMATION:
; APPLICANT: Ford, John E et al
; TITLE OF INVENTION: Novel Bone Marrow Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-040
; CURRENT APPLICATION NUMBER: PCT/US01/03782A
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 09/598,075
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/620,325
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/250,583
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 386
; SOFTWARE: Custom
; SEQ ID NO 284
; LENGTH: 5447
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-03782A-284

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Query Match 3.0%; Score 117; DB 1; Length 5447;

Best Local Similarity 19.9%; Pred. No. 60;

Matches 145; Conservative 121; Mismatches 258; Indels 206; Gaps 36;

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Db 2396 YEKLGVLHEROESLOAILNREEVH---KEA-----NSVLQWLESKEEV-LKSMAM 2444
QY 142 MSPRITGD-----ELNOKLRAVMNGHPONANGIMEGLEPLNAIRVTOEAVWYSDNAPI 196
Db 2445 SSPRTETVYKQAESKNKAFIAMEL-----EONSPKIQKVKEALAGLLVY-----PN 2490
QY 197 SNPDSEFKR-----ESESUL-----VSTSQL-----SLMR 221
Db 2491 SOEAENMKKIOEELNSRWERATEVTVAROROLEESASHLACFOAAESQLOQPMLEKELM 2550
QY 222 QALKOL-IDPNLATKMPKOVPPDDFOLSTIFES-EDKGDYKNKGQNILSGGLVPTKPPPG 279
Db 2551 GVLGSLIDPNMLNKOQOV--QFMKFEFARQOHEOLNEAQCILTG-----PG 2599
QY 280 DPMPPNPQPTSVLIRKAYIDYSKLEGATLQTDGVNVSFQARVSSNDIGERIELS 339
Db 2600 DVSLSSTQVOKELQISINO-----KWVELT-DKLNRSISOI--DOAIVSTQO 2644
QY 340 DGTYYTLTELNSPAG--YSIAEPIFEKVEAGKYTTIIDGKOINPNK-----EIVEPYSVE 392
Db 2645 ELLQDLSSEKVRVAVGRLSVQSAISTQPEAVK-----QOLETSEIRSDLLQDLHEVKE 2697
QY 393 AYNDPEEPSVLTTONYAKFYAKN-----KNGSSQVYVCFNADLKSPDSE--- 438
Db 2698 AQTLCDELISVLIGEOYLKDELKRLKETVALPLQGLEDLAADRINRLQALASTQOQOMF 2757
QY 439 DGGKMTPTDFTTGEVKYTHIAGRDLEKTYVPRDPTDPTFLKHKKVIEKGYREKQALE 498
Db 2758 DELRTWLDKQSQOAKNCPIISAK-----LERLQSOQLENEEFQKSLNQ 2800
QY 499 YSGLTETQLRAATQALAIYFTDSAEIDKDK-----LKDYHGFQNDSTLAVAKTL 549
Db 2801 HSGSYEVIVAEESLIL-----SVPRGEEKRTLQNLQVLELKNH--WEELSKKTADRQSR 2853
QY 550 VEYADDSNPQLTDLDFIIPNNKYOGLIGTQWHPEDVDII-----RMEDKKEVI-PVT 603
Db 2854 KDCMOKA-----OKY-----QWVEDLVPMIEDCKAKMSELRTLDPVQ 2892
QY 604 HNLLRKTYTGLAGDRTKDFHEIELKNNKQELLSTQVTKDNTLNEFKDGKATIN----- 658
Db 2893 LESSILRSKAML--NEVERRSLELTINSADLILNSSEADEGCI--RDEKAGINONMDA 2948
QY 659 -----LKHG--ESLT--LQGLPEGSYLVKETSDEGYKVV-----NSQEVANATVSKTG 704
Db 2949 VTEELQAKTGSLEEMQRLREFQESFKIEKVEGAKHQLEIFDALGSQACSKNLEKLR 3008
QY 705 ITSDETLAFE 714
Db 3009 AOEVLQALE 3018

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Search completed: June 7, 2001, 00:22:29
Job time: 246 sec